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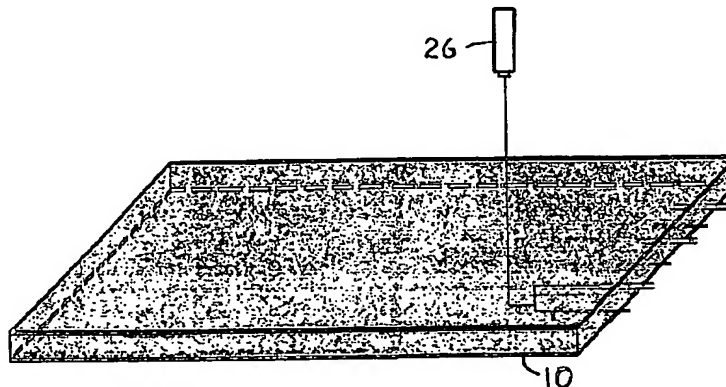
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(54) Title: A METHOD OF PRODUCING A MICROFLUIDIC DEVICE



(57) Abstract: The present invention provides a microfluidic device comprising a body structure which comprises a fusible material. Selective application of energy (e.g. scanning radiation) produces and maintains a network of microchannels by fusing the material. There may be ports in fluid communication with one or more channels. The subject devices find use in a variety of electrophoretic applications, including clinical assays, high throughput screening for genomics, proteomics and pharmaceutical applications, point-of-care in vitro diagnostics, molecular genetic analysis and nucleic acid diagnostics, cell separations, and bioresearch generally.

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